

FINAL PERMIT



## State of New Jersey

CHRIS CHRISTIE  
Governor

KIM GUADAGNO  
Lt. Governor

DEPARTMENT of ENVIRONMENTAL PROTECTION  
AIR QUALITY, ENERGY AND SUSTAINABILITY  
Division of Air Quality  
Bureau of Stationary Sources  
401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

BOB MARTIN  
Commissioner

### Air Pollution Control Operating Permit Significant Modification and Preconstruction Approval

Permit Activity Number: BOP160003

Program Interest Number: 18067

Mailing Address	Plant Location
DAVID G SCHRUTKA SITE MANAGER EQUISTAR CHEMICALS LP 340 MEADOW RD EDISON TWP, NJ 08817	EQUISTAR CHEMICALS LP 340 Meadow Rd Edison TWP Middlesex County

Initial Operating Permit Approval Date: October 13, 2004

Significant Modification Approval Date: December 7, 2016

Operating Permit Renewal Expiration Date: October 12, 2019

This significant modification is approved and issued under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). The equipment at the facility must be operated in accordance with the requirements of this permit.

This approval, in response to your application, merges the provisions of the previously approved operating permit and the changes from this significant modification into a single comprehensive permit that replaces the one previously issued. This significant modification allows for the addition of a 351 BHP emergency diesel engine to increase fire water pumping capability.

Equipment at the facility referenced by this significant modification **is covered** by the permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17. Pursuant to N.J.A.C. 7:27-22.33(e), this significant modification consists of both a preconstruction approval and operating permit approval. This operating permit does not include compliance schedules as part of the approved compliance plan.

The permittee shall submit to the Department and to the EPA a periodic compliance certification, in accordance with N.J.A.C. 7:27-22.19. The certification shall be submitted electronically through the NJDEP online web portal – Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to DEP Online shall be obtained by following the instructions at: <http://www.state.nj.us/dep/online/>. The certification should be printed for submission to EPA at the address below. The schedule for compliance certifications set forth in the compliance plan in this operating permit. The annual compliance certification reporting period will cover the calendar year ending December 31. **The annual compliance certification is due to the Department and the EPA within 60 days after the end of each calendar year during which this permit was in effect.**

The annual compliance certification report may also be considered as your six-month deviation report for the period from July 1 through December 31 which is due by January 30 of each year, as required by paragraph 13 in Section E, *General Provisions and Authorities*, of this permit, if the annual compliance certification is submitted by January 30.

Your facility's current approved operating permit and any previous versions (e.g. superseded, expired, or terminated) are now available for download in the PDF format at: <http://www.nj.gov/dep/aqpp/>. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI)

Number as instructed on the screen. A RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories, and Compliance Schedules (if needed), can be obtained by contacting your permit writer. Upon importing this information into your personal computer with RADIUS software, you will have up-to-date information in RADIUS format. RADIUS software, instructions, and help are available at the Department's website at [www.state.nj.us/dep/agpp](http://www.state.nj.us/dep/agpp). We also have an Operating Permit Help Line available from 9:00 AM to 4:00 PM daily, where you may speak to someone about any questions you may have. The Operating Permit Help Line number is 609-633-8248.

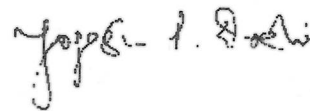
If, in your judgment, the Department is imposing any unreasonable condition of approval in this permit modification action, you may contest the Department's decision on the modification and request an adjudicatory hearing pursuant to N.J.S.A. 52:14b-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information requested in N.J.A.C. 7:27-1.32 and the information on the enclosed Administrative Hearing Request Checklist and Tracking Form.

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application. The Operating Permit Renewal Application consists of a RADIUS application and the Application Attachment available in Portable Document Format (PDF) and MS Word format at the Department's website <http://www.nj.gov/dep/agpp/applying.html> (check Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: <http://njdeponline.com/>. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, an application for renewal of the operating permit shall include all of the information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that the Department can notify the applicant of any deficiencies in the application. This will allow the permittee to correct any deficiencies, and to better ensure that the application is administratively complete by the renewal deadline. Only applications which are timely and administratively complete will be eligible for coverage by an application shield.

Permittees that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. Details of the rule and guidance on how to prepare a plan can be found at EPA's website: [www.epa.gov/ttn/emc/cam.html](http://www.epa.gov/ttn/emc/cam.html). In addition, CAM Plans must be included as part of the permit renewal application. Permittees that do not submit a CAM Plan may have their modification applications denied, pursuant to N.J.A.C. 7:27-22.3.

If you have any questions regarding this permit approval, please call your permit writer, Mubin Kathrada, at (609) 633-1134.

Approved by:



Yogesh Doshi  
Bureau of Stationary Sources

Enclosure

CC: Richard Ruvo  
United States Environmental Protection Agency, Region II  
Air Compliance Branch  
290 Broadway  
New York, New York 10007-1866

MINOR MOD Title V PERMIT - EPA 45 day Review



State of New Jersey

CHRIS CHRISTIE  
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DEPARTMENT of ENVIRONMENTAL PROTECTION  
AIR QUALITY, ENERGY AND SUSTAINABILITY

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Division of Air Quality  
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401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

November 21, 2016

Mr. Richard Ruvo  
Chief, Permitting Section  
USEPA, Region 2  
290 Broadway, 25<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Equistar Chemicals LP  
Facility Program Interest No. 18067, Permit Activity No.: BOP160004

This notice is required by the provisions of 40 CFR Part 70 and N.J.A.C. 7:27-22 and is to inform you of the Department's receipt of an administratively complete application for a minor modification to an approved Operating Permit for the above reference facility, which is located at 340 Meadow Rd, Edison, NJ 08817.

The facility proposes to increase the number of laboratory batches in bulk reaction mode from 500 to 1500 per year for IS28 (Polytest Lab).

If you would like to comment on this application, please contact me in writing at the above address within 45 days of the date of this letter. Should you want more information regarding this minor modification, please call me at 609-633-7249

Sincerely,

A handwritten signature in black ink, appearing to read "Yogesh Doshi".

Yogesh Doshi  
Bureau of Stationary Sources



**State of New Jersey**

CHRIS CHRISTIE  
*Governor*

**DEPARTMENT of ENVIRONMENTAL PROTECTION**  
**AIR QUALITY, ENERGY AND SUSTAINABILITY**

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Division of Air Quality  
Bureau of Stationary Sources  
401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

October 21, 2016

Mr. Steve Riva  
Chief, Permitting Section  
USEPA, Region 2  
290 Broadway, 25<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Facility Name: Equistar Chemicals LP  
Facility Address: 340 Meadow Rd, Edison, NJ 08817  
Facility Program Interest No.: 18067, Permit Activity No.: BOP160003  
PROPOSED SIGNIFICANT MODIFICATION

Dear Sir:

This proposed Air Pollution Control Operating Permit for the above facility has completed the 30-day public comment period. No comments were received during the public comment period. No comments were received from EPA during the public comment period.

The proposed operating permit and the statement of basis are attached for your reference.

Should you want more information regarding this proposed permit, please call me at 609-633-1378.

Sincerely,

Art Lehberger

**Riva, Steven**

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**From:** Doshi, Yogesh <Yogesh.Doshi@dep.nj.gov>  
**Sent:** Tuesday, September 20, 2016 12:53 PM  
**To:** Chan, Suilin; Majette, Yolanda; Riva, Steven  
**Cc:** Kathrada, Mubinul  
**Subject:** New Jersey Draft Significant Modification Notice

Operating Permit Significant Modification for Equistar Chemicals, LP  
Program Interest Number: 18067, Permit Activity Number: BOP160003

As a courtesy, I am providing you with this notice of New Jersey's intent to approve a Significant Modification to an approved Air Pollution Control Operating Permit for the above-mentioned facility, which is located at 340 Meadow Rd, Edison Township, NJ 08817.

This modification allows the facility to add a 351 BHP emergency diesel engine to increase fire water pumping capability.

The public notice, statement of basis, and the draft permit will soon be posted at the Department's website: <http://www.state.nj.us/dep/aqpp/publicnotices.htm>. The public comment period closes on October 19, 2016. This notice isn't meant to replace the "proposed permit" process in 40 CFR 70.

Should you want more information regarding this draft permit or if you would like to comment, please call me at 609-633-7249



## State of New Jersey

CHRIS CHRISTIE  
*Governor*

### DEPARTMENT of ENVIRONMENTAL PROTECTION

AIR QUALITY, ENERGY AND SUSTAINABILITY

Division of Air Quality

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401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

BOB MARTIN  
*Commissioner*

KIM GUADAGNO  
*Lt. Governor*

August 15, 2016

Mr. Steve Riva  
Chief, Permitting Section  
USEPA, Region 2  
290 Broadway, 25<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Equistar Chemicals, LP  
Facility Program Interest No. 18067, Permit Activity No. BOP160002  
PROPOSED SIGNIFICANT MODIFICATION

Dear Steve:

This proposed Air Pollution Control Operating Permit for the above facility located at 340 Meadow Rd, Edison, NJ 08817, has completed the 30-day public comment period. No comments were received during the public comment period.

No comments were received from the EPA during the public comment period.

Should you want more information regarding this proposed permit, please call me at 609-633-7249.

Sincerely,

Yogesh Doshi  
Bureau of Stationary Sources

**Riva, Steven**

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**From:** Doshi, Yogesh <Yogesh.Doshi@dep.nj.gov>  
**Sent:** Friday, July 08, 2016 11:12 AM  
**To:** Chan, Suilin; Majette, Yolanda; Riva, Steven  
**Cc:** Kathrada, Mubinul  
**Subject:** New Jersey Draft Significant Modification Notice

Operating Permit Significant Modification for Equistar Chemicals, LP  
Program Interest Number: 18067, Permit Activity Number: BOP160002

As a courtesy, I am providing you with this notice of New Jersey's intent to approve a Significant Modification to an approved Air Pollution Control Operating Permit for the above-mentioned facility, which is located at 340 Meadow Rd, Edison NJ 08817.

The facility has requested a 180 day extension.  
The initial filterable PM and CO stack tests will be completed no later than 360 days after Jan 31, 2016.  
The CO / O2 analyzer will be installed and operational no later than 360 days after Jan 31, 2016.

The public notice, statement of basis, and the draft permit will soon be posted at the Department's website: <http://www.state.nj.us/dep/aqpp/publicnotices.htm>. The public comment period closes on August 10, 2016. This notice isn't meant to replace the "proposed permit" process in 40 CFR 70.

Should you want more information regarding this draft permit or if you would like to comment, please call me at 609-663-7249.





## State of New Jersey

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**DEPARTMENT of ENVIRONMENTAL PROTECTION**  
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Division of Air Quality  
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401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

BOB MARTIN  
*Commissioner*

June 28, 2016

Mr. Steve Riva  
Chief, Permitting Section  
USEPA, Region 2  
290 Broadway, 25<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Equistar Chemicals LP  
Facility Program Interest No.18067, Permit Activity No.: BOP160001

Dear Steve:

This notice is required by the provisions of 40 CFR Part 70 and N.J.A.C. 7:27-22 and is to inform you of the Department's receipt of an administratively complete application for a minor modification to an approved Operating Permit for the above reference facility, which is located at 340 Meadows Rd, Edison TWP, NJ 08817.

The facility proposes to update the AP42 emission factors used to calculate Boiler 1 (E64) and Boiler 2 (E65) emissions, which will result in lower hourly and yearly emissions.

If you would like to comment on this application, please contact me in writing at the above address within 45 days of the date of this letter. Should you want more information regarding this minor modification, please call me at 609-633-7249.

Sincerely,

Yogesh Doshi  
Bureau of Stationary Sources





*State of New Jersey*

CHRIS CHRISTIE  
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**DEPARTMENT of ENVIRONMENTAL PROTECTION**  
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BOB MARTIN  
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Division of Air Quality  
Bureau of Air Permits  
401 E. State Street, 2<sup>nd</sup> floor, P.O. Box 420, Mail Code 401-02  
Trenton, NJ 08625-0420

August 3, 2015

Mr. Steve Riva, Chief  
Permitting Section  
USEPA, Region 2  
290 Broadway, 25<sup>th</sup> Floor  
New York, NY 10007-1866

Re: Equistar Chemicals LP  
Facility Program Interest No. 18067, Permit Activity No.: BOP130001

**PROPOSED OPERATING PERMIT RENEWAL**

Dear Steve:

This Proposed Air Pollution Control Operating Permit Renewal for Equistar Chemicals LP, which is located at 340 Meadow Rd, Edison, NJ 08817, has completed the 30-day public comment period. No comments were received during the public comment period.

No comments were received from the EPA during the public comment period.

Should you want more information regarding this proposed permit, please call me at 609-633-8230.

Sincerely,

Max Friedman  
Bureau of Air Permits

**Riva, Steven**

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**From:** Kathrada, Mubinul <Mubinul.Kathrada@dep.nj.gov>  
**Sent:** Tuesday, June 30, 2015 9:41 AM  
**To:** Chan, Suilin; Majette, Yolanda; Riva, Steven  
**Cc:** Friedman, Max  
**Subject:** New Jersey Draft Renewal Operating Permit Notice

Operating Permit Renewal for Equistar Chemicals LP  
Program Interest Number: 18067, Permit Activity Number: BOP130001

As a courtesy, I am providing you with this notice of New Jersey's intent to approve an Air Pollution Control Operating Permit Renewal for the above-mentioned facility, which is located at 340 Meadow Rd, Edison, NJ 08817. The public notice, statement of basis, and the draft permit will soon be posted at the Department's website: <http://www.state.nj.us/dep/aqpp/publicnotices.htm>. The public comment period closes on July 30, 2015. This notice isn't meant to replace the "proposed permit" process in 40CFR70.

The facility has represented compliance with all the applicable requirements. Therefore, there are no compliance schedules included with this permit approval.

Should you want more information regarding this draft permit or if you would like to comment, please call Max Friedman at 609-633-8230.